

Notice of Allowability

Application No.

10/809,411

Examiner

Justin Y. Lee

Applicant(s)

MORISAKI ET AL.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed on 3/26/2004.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


DUC M. NGUYEN
SUPERVISORY PRIMARY EXAMINER
TECHNOLOGY CENTER 2600

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Radi on 9/17/07.

2. The application has been amended as follows:

In claim 13, line 1, please delete "A storage" and insert -- A computer readable -- thereto.

In claim 14, line 1, please delete "A storage" and insert -- A computer readable -- thereto.

Allowable Subject Matter

3. Claims 1-17 are allowed.

4. The following is an examiner's statement of reasons for allowance:

Applicant's independent claim 1 is drawn to a data processing system. The invention comprising a data storing unit that stores different types of data and the sub terminal device can recognize the data storing unit as an external storage device. The sub terminal device can unrestrictedly save any type of data file to the data storing unit and retrieve any data file from the data storing unit; a request storage commanding unit

that receives commands from an external source and the request data and original data are stored in association with the request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for implementing one or more functions from the original data; and a function implementing unit that executes a process to implement a function based on the implementation data when the implementation data is transmitted from the sub terminal device following a command by the request storage commanding unit, and wherein the sub terminal device comprises: a data reading unit that monitors the data stored in the data storing unit and that automatically reads the original data and the request data stored in the data storing unit whenever the original data and the request data stored in the data storing unit when ever the original data and the request data are stored in the data storing unit; a data generating unit that generates the implementation data from the original data based on the request data read by the reading unit; and an implementation data transmitting unit that transmits the implementation data generated by the data generating unit to the main terminal device. This particular combination of elements claimed as applicant's invention is neither taught nor suggested by the prior art.

Applicant's independent claim 11 is drawn to a terminal device. The invention comprising a data storing unit that stores different types of data and the sub terminal device can recognize the data storing unit as an external storage device. The sub terminal device can unrestrictedly save any type of data file to the data storing unit and retrieve any data file from the data storing unit; a request storage commanding unit that

receives commands from an external source and the request data and original data are stored in association with the request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for implementing one or more functions from the original data; and a function implementing unit that executes a process to implement a function based on the implementation data when the implementation data is transmitted from the sub terminal device following a command by the request storage commanding unit, and wherein the sub terminal device generates the implementation data from the original data when the request data is stored in the data storing unit and transmits the implementation data to the terminal device. This particular combination of elements claimed as applicant's invention is neither taught nor suggested by the prior art.

Applicant's independent claim 12 is drawn to a sub terminal device. The invention comprising a data reading unit that monitors the data stored in the data storing unit and that automatically reads the original data and the request data stored in the data storing unit whenever the original data and the request data stored in the data storing unit when ever the original data and the request data are stored in the data storing unit; a data generating unit that generates the implementation data from the original data based on the request data read by the reading unit; and an implementation data transmitting unit that transmits the implementation data generated by the data generating unit to the main terminal device, wherein the main terminal device stores various types of data, the sub terminal device can recognize the data storing unit as an external storage device. The sub terminal device can unrestrictedly save any type of

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data file to the data storing unit and retrieve any data file from the data storing unit, the main terminal device that receives commands from an external source and the request data and original data are stored in association with the request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for implementing one or more functions from the original data, the main terminal device executes a process to implement a function based on the implementation data when the implementation data is transmitted from the sub terminal device following a command by the request storage commanding unit. This particular combination of elements claimed as applicant's invention is neither taught nor suggested by the prior art.

Applicant's independent claim 13 is drawn to a storage medium that stores a program for controlling a main terminal device and a sub terminal device. The invention comprising a program for enabling the sub terminal device to recognize the data storing unit as an external storage device. The sub terminal device can unrestrictedly save any type of data file to the data storing unit and retrieve any data file from the data storing unit; a program for receiving commands from an external source and the request data and original data are stored in association with the request data in the data storing unit, the request data being generated from the main terminal device for requesting the sub terminal device to generate implementation data required for implementing one or more functions on the main terminal; a program for monitoring the data stored in the data storing unit and that automatically reads the original data and the request data stored in the data storing unit whenever the original data and the request data stored in the data

storing unit when ever the original data and the request data are stored in the data storing unit; a program for generating the implementation data from the original data in the sub terminal device in response to the request data associated with the original data; and a program for executing a process to implement a function on the main terminal device based on the implementation data generated from the original data by the sub terminal.

Applicant's independent claim 14 is drawn to a storage medium that stores a program for controlling a main terminal device and a sub terminal device. The invention comprising a program for generating a request data and original data in association with the request data in the main terminal device for requesting the sub terminal device to generate implementation data from the original data required for implementing a function on the main terminal device; a program for monitoring the data stored in the data storing unit and that automatically reads the original data and the request data stored in the data storing unit whenever the original data and the request data stored in the data storing unit when ever the original data and the request data are stored in the data storing unit; a program for generating the implementation data from the original data based on the request data read by the reading unit; a program for transmitting the implementation data generated by the data generating unit to the main terminal device; and a program for executing a process to implement the function on the main terminal device based on the implementation data after the program of transmitting the implementation data is executed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Yoshio Maniwa (US 5,764,866), Hirokatsu Shimada (US 2002/0060798), Ogura et al. (US 2002/0165800), Chen et al. (US 2006/0010229) Fukunaga et al. (US 2004/0174561), and Tanaka et al. (US 20020082001) all disclose various kinds of data processing systems.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin Y. Lee whose telephone number is (571) 272-5258. The examiner can normally be reached on M - F 8:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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9/10/07


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